



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V

Once completed, please submit this form either via email to info-der@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
Locked Bag 33 Cloisters Square
PERTH WA 6850

Section A – Licence Details			
Licence number:	L8335/2009/4 & L8335/2009/5	Licence file number:	DER2019/000566
Licence holder:	Water Corporation		
Trading as:	Water Corporation Cocos Home Island Wastewater Treatment Plant		
ACN:	28 033 434 917		
Registered address:	Cocos Home Island Wastewater Treatment Plant		
Reporting period:	01 /07 /2019 to 30/06/2020		

Section B – Statement of Compliance with Licence Conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none">• section C;• section D if required; and• sign the declaration in Section F.
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none">• section C;• section D if required;• section E; and• sign the declaration at Section F.

Section C – Statement of Actual Production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed Premises Category	Actual Production Quantity
54	88 m3

Section D – Statement of Actual Part 2 Waste Discharge Quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed Premises Category	Actual Part 2 Waste Discharge Quantity

Section E – Details of Non-Compliance with Licence Condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	2.3	Date(s) of non-compliance:	10/12/2019
Details of non-compliance:			
Condition 2.3 Point Source emissions – wastewater which has gone through UV treatment process prior to discharge			
On 10 December 2019, approximately 4 kL of treated wastewater was discharged to ocean without UV treatment			
What was the actual (or suspected) environmental impact of the non-compliance?			
NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
The partially treated wastewater was disposed to ocean via the WWTP Ocean Outfall located 300 m off shore at a depth of 15 m. The WWTP is licenced to discharge up to 165 m3/day of treated wastewater and therefore the discharge of an estimated 4 kL of partially treated wastewater is considered unlikely to significantly impact upon the receiving environment. Previous ocean surveys have indicated that there are no measureable impacts to the inshore marine environment or discharge area from the wastewater disposal. Given the lack of access to the discharge location, as the nearby beach is located in the Shire landfill facility, impacts to public health and amenity are considered to be negligible. Due to the lack of access to the beach and the low volume of discharge, warning signage was not considered warranted.			
Cause (or suspected cause) of non-compliance:			
The Home Island WWTP was experiencing process issues with poor sludge settling in the aeration tank. This resulted in minor sludge carryover into the balance tank. The UV disinfection system automatically shuts down the effluent discharge pumps when suspended solids levels are elevated in the effluent. With the system decanting and high inflow at the time the Operator could not pump back to the aeration tank as per normal response. The Operator pumped to the drying beds but also had to run the effluent pumps in manual for approx. 10 minutes with no UV disinfection in order to complete the decant cycle and return the system to normal operation. This resulted in approximately 4kL of partially treated, undisinfectied water being pumped to the ocean via the ocean outfall line.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The currently unused concrete tank was converted into an emergency storage tank temporarily in approximately January 2020. An operational project will be completed in late 2020 in order to utilize this tank as a decant tank to provide additional storage for operational response to incidents			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 10 /12 /2019 & 12/12/2019	
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			

Section E – Details of Non-Compliance with Licence Condition			
Condition no:	1.3.5 (a)	Date(s) of non-compliance:	22/12/2019
Details of non-compliance:			
<p>Condition 1.3.5 (a) of licence L8335/2009/4, requires overtopping of the vessels does not occur. On the 22 December 2019 Approx. 2000lt of partially treated wastewater, overflowed from the WWTP aeration tank, onto the ground.</p>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
<p>Nil, wastewater was contained on the WWTP site with the area cleaned and disinfected</p>			
Cause (or suspected cause) of non-compliance:			
<p>The WWTP was heavily loaded/high inflow due to a large number of visitors on island for the holiday period and local weddings. The WWTP was partially upgraded in 2018, however the clarifier was not able to be commissioned due to a design failure. The WWTP has been decanting directly into 2 small volume balance tanks since this time. Process issues with settling and decant cycles have been experienced due to this current operating mode, with final effluent pumps often shutting down on high solids.</p> <p>With the additional inflow into the WWTP at this time, the volumes in the WWTP tanks were at capacity, with effluent pumps failing/shutdown an overflow resulted over the top of the IAT tank</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>The concrete balance tank has been converted into an emergency storage tank temporarily. An operational project will be completed in 2020 in order to utilize this tank as a decant tank to provide additional storage</p>			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 23 / 12 / 19	

Department of Water and Environmental Regulation

Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.6.1	Date(s) of non-compliance:	September/October 2019
Details of non-compliance:			
Condition Table 3.6.1 of Licence L8335/2009/4 requires monitoring Sewerage Inlet Flow via Inlet meter (M1) The Magflow meter was found to be under reading during September/October by approx 25kL/day			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
No environmental impact, flow was able to be monitored at 2 other magflow meter to confirm the flow remained within normal operations (Magflow meter at the Vacuum pump station immediately upstream, and the Outflow Meter M2			
Cause (or suspected cause) of non-compliance:			
The failure was due to a faulty cable between the sensor and transmitter causing an under reading error.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Monitoring from the Vacuum Pump Station continued throughout the year to provide additional flow data information. Water Corporation is investigating the moving the inflow meter into a protected and air conditioned unit, to protect the flow meter from the harsh environment conditions on the site.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

Section F – Declaration			
I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular ¹ .			
I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation's (DWER) website.			
Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:	Manager Operations	Position:	
Date:	24/08/2020	Date:	
Seal (if signing under seal):			

¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.